# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S1 | 29 | (BRUN.in. or CARLIER.in. or PIZON.in.) and (exhaust near4 gas) and ( engine) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:13 |
| S2 | 3 | (BRUN.in. or CARLIER.in. or PIZON.in.) and (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:13 |
| S3 | 477 | ((exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and ((blade or fan or blower or swirl $4) near4 exhaust) ).CLM. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:13 |
| S4 | 15 | ((exhaust near4 gas) and (engine) and (blade or fan or blower or swirl$4) and (open or opening or hole or perforat$4) and ((open or opening or hole or perforat $4) near4 (hub))). CLM. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:13 |
| S5 | 7 | ((exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (hub) and (flow $4 near4 rate) ). CLM. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:13 |

| S6 | 4 | ((exhaust near4 gas) and (engine) and (blade or fan ) and (open or opening or hole or perforat$4) and ((open or opening or hole or perforat$4) near4 (hub)) and (ring).CLM. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:13 |
|---|---|---|---|---|---|---|
| S7 | 2 | ((exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (hub) and (flow $4 near4 rate) and (open or opening or hole or perforat$4) and (ring)).CLM. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:13 |
| S8 | 30 | (US-20050005594-$).did. or (US-4931026-$ or US-7073626-$ or US-7104251-$ or US-6895756-$ or US-5203164-$ or US-3640642-$ or US-4180368-$ or US-4331429-$ or US-4875829-$ or US-5284018-$ or US-5286164-$ or US-7174709-$ or US-4825652-$ or US-5941069-$ or US-6805092-$ or US-5542249-$ or US-6158412-$ or US-5943856-$ or US-4352638-$ or US-4909346-$ or US-4186603-$ or US-7383919-$ or US-6810992-$ or US-6745562-$).did. or (US-3126263-$ or US-3477227-$ or US-2372765-$ or US-2518660-$ or US-1753906-$).did. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/29 11:13 |

| S9 | 437 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (hub) and (flow $4 near4 rate) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S10 | 394 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (hub) and (flow $4 near4 rate) and (open or opening or hole or perforat$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S11 | 37 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (hub) and (flow $4 near4 rate) and (open or opening or hole or perforat$4) and (dilut$4 near4 gas) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S12 | 275 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (hub) and (flow $4 near4 rate) and (open or opening or hole or perforat$4) and (ring) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S13 | 48 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (hub) and (flow $4 near4 rate) and (open or opening or hole or perforat$4) and (ring) and (dilut $4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |

| S14 | 72 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and ((blade or fan or blower or swirl $4) near4 exhaust) and (flow$4 near4 rate) and (flow$4 near4 (reduc$4 or restric$4)) and ((open or opening or hole or perforat $4) near4 (center or central)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S15 | 102 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and ((blade or fan or blower or swirl $4) near4 (exhaust) near4 (pipe or tube) ) and (60/272-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S16 | 35 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and ((blade or fan or blower or swirl $4) near4 (exhaust) near4 (pipe or tube) ) and (hub) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S17 | 287 | (exhaust near4 gas) and (engine) and (blade or fan or blower or swirl$4) and (open or opening or hole or perforat$4) and ((open or opening or hole or perforat $4) near4 (hub)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |

| S18 | 184 | (exhaust near4 gas) and (engine) and (blade or fan ) and (open or opening or hole or perforat$4) and ((open or opening or hole or perforat$4) near4 (hub)) and (ring) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
|-----|-----|-----|-----|-----|-----|-----|
| S19 | 26 | (exhaust near4 gas) and (engine) and (blade or fan ) and (open or opening or hole or perforat$4) and ((open or opening or hole or perforat$4) near4 (hub) near4 (center or central or middle)) and (ring) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S20 | 24 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and ((blade or fan or blower or swirl $4) near4 exhaust) and (hub with (open or openning or hole or perforat $4)) and (balanc$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S21 | 71 | (blade or fan or blower or swirl$4) and ((blade or fan or blower or swirl $4) near4 exhaust) and (hub near4 (open or openning or hole or perforat $4)) and (balanc$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S22 | 210 | 416/94.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |

| S23 | 1261 | (exhaust near4 gas) and (engine) and (blade or fan or blower or swirl$4) and (open or opening or hole or perforat$4) and (60/287-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S24 | 902 | (exhaust near4 gas) and (engine) and (blade or fan or blower ) and (open or opening or hole or perforat$4) and (60/287-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S25 | 390 | (exhaust near4 gas) and (engine) and (blade or fan or blower ) and (open or opening or hole or perforat$4) and (hub or center) and (60/287-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S26 | 21 | ("1340158" \| "1761971" \| "1797310" \| "1818469" \| "2063270" \| "2076827" \| "2158030" \| "2359365" \| "2663378" \| "3966443" \| "4533015" \| "6588545").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/29 11:14 |
| S27 | 1 | ("7073626").URPN. | USPAT | OR | ON | 2009/04/29 11:14 |
| S28 | 4 | ("1761971").URPN. | USPAT | OR | ON | 2009/04/29 11:14 |
| S29 | 3 | ("2158030").URPN. | USPAT | OR | ON | 2009/04/29 11:14 |
| S30 | 6 | ("2076827").URPN. | USPAT | OR | ON | 2009/04/29 11:14 |

| S31 | 29 | ("0867973" \| "0896606" \| "1019571" \| "1276935" \| "1473235" \| "1885062" \| "2076827" \| "2679230" \| "3000465" \| "3558084" \| "4385585" \| "4694653" \| "4694654" \| "4813368" \| "4886978" \| "4966253" \| "5334071" \| "6006859" \| "6343673" \| "6367580").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/29 11:14 |
|-----|-----|-----|-----|-----|-----|-----|
| S32 | 3 | ("6810992").URPN. | USPAT | OR | ON | 2009/04/29 11:14 |
| S33 | 6 | ("867973").URPN. | USPAT | OR | ON | 2009/04/29 11:14 |
| S34 | 189 | "181""/""225".CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S35 | 302 | 415/103.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S36 | 0 | (415/103.ccls.) and (exhaust near4 gas) and ( engine) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S37 | 3 | (415/103.ccls.) and (exhaust ) and ( engine) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |

| S38 | 36 | (415/103.ccls.) and (exhaust ) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S39 | 177 | 60/315.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S40 | 172 | 415/202.ccls. and (exhaust) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S41 | 70 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (hub) and (flow $4 near4 rate) and (open or opening or hole or perforat$4) and (exhaust near4 (mix$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S42 | 1665 | (exhaust near4 gas) and (engine) and (blade or fan or blower ) and (open or opening or hole or perforat$4) and (hub or center) and (exhaust near4 (mix $4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S43 | 92 | (exhaust near4 gas) and (engine) and (blade or fan or blower ) and (open or opening or hole or perforat$4) and (hub or center) and (exhaust near4 (mixer)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |

| S44 | 323 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (diffus$4) and (flow$4 near4 rate) and (open or opening or hole or perforat$4) and (exhaust near4 (mix $4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
|-----|-----|------|------|----|----|------|
| S45 | 39 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (diffus$4) and (flow$4 near4 rate) and (open or opening or hole or perforat$4) and (exhaust near4 (mix $4)) and (60/272-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S46 | 41 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (divert$4) and (flow$4 near4 rate) and (open or opening or hole or perforat$4) and (exhaust near4 (mix $4)) and (60/272-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S47 | 20 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (diverter) and (flow$4 near4 rate) and (open or opening or hole or perforat$4) and (60/272-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |

| S48 | 48 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (diverter) and (open or opening or hole or perforat$4) and (60/272-324. ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
|---|---|---|---|---|---|---|
| S49 | 66 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (binh.xp.) and (60/272-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S50 | 467 | (exhaust near4 gas) and ( engine) and (binh.xp.) and (60/272-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S51 | 120 | (exhaust near4 gas) and ( engine) and (exhaust near4 (mix $4)) and (binh.xp.) and (60/272-324. ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S52 | 12 | (exhaust near4 gas) and ( engine) and ( (mixer)) and (binh. xp.) and (60/272-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S53 | 2 | (exhaust near4 gas) and ( engine) and ( (diffusor)) and (binh.xp.) and (60/272-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S54 | 10 | ("239"/$.ccls.) and (binh.xp.) and (60/272-324.ccls.) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |

| S55 | 11 | ("4872528" \| "6203770" \| "6449947" \| "6540046" \| "6601385" \| "6712869" \| "6722123" \| "6722124" \| "6745562" \| "7065958" \| "7152396").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/29 11:14 |
|-----|-----|-----|-----|-----|-----|-----|
| S56 | 18 | ("3838977" \| "3964875" \| "4039294" \| "4183896" \| "4328188" \| "4374803" \| "4383974" \| "4601168" \| "4685534" \| "5150573" \| "5185998" \| "5202097" \| "5484575" \| "5904042" \| "5962822" \| "6024189" \| "6449947" \| "6588545").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2009/04/29 11:14 |
| S57 | 3 | ("6745562").URPN. | USPAT | OR | ON | 2009/04/29 11:14 |
| S59 | 31 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (hub) and (open or opening or hole or perforat$4) and (exhaust near4 (mixer)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |
| S60 | 196 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (open or opening or hole or perforat$4) and (exhaust near4 (mixer)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/29 11:14 |

| S61 | 315 | (exhaust near4 gas) and ( engine) and (blade or fan or blower or swirl$4) and (hub) and (open or opening or hole or perforat$4) and (exhaust near4 (mix$4)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/07 13:00 |

**5/ 10/ 2009 11:59:05 PM**
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